BTL-1300

USER'S MANUAL

V400z1TN24/02/2003EN

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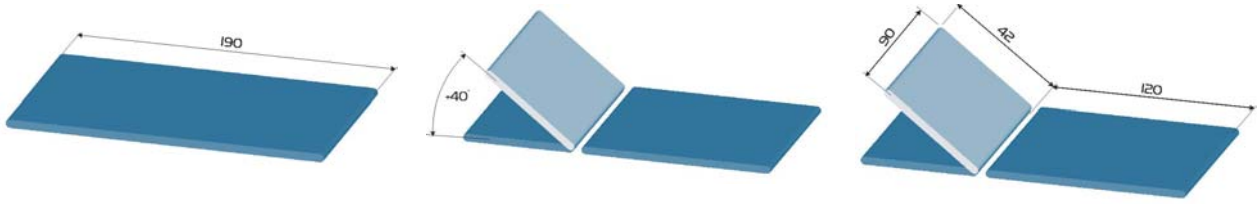
1 USER'S MANUAL

1.1 CONFIGURATION OF THE BTL-1300 COUCH

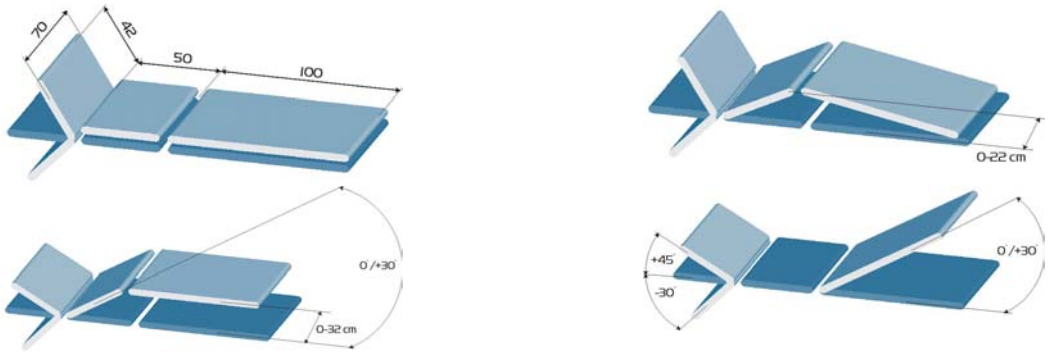
The couches are manufactured in fifth basic configurations: one section for the exercise therapy according to Bobath and Vojta, two sections with one motor, three sections with one or two motors, five-sections with one or two motors and three section traction couch.
The mid-section of the three and five-section couch can be adjusted electrically or mechanically.

- Bobath couch is designed for the exercise therapy according to Bobath and Vojta. It offers enough space for both the therapist and patient.

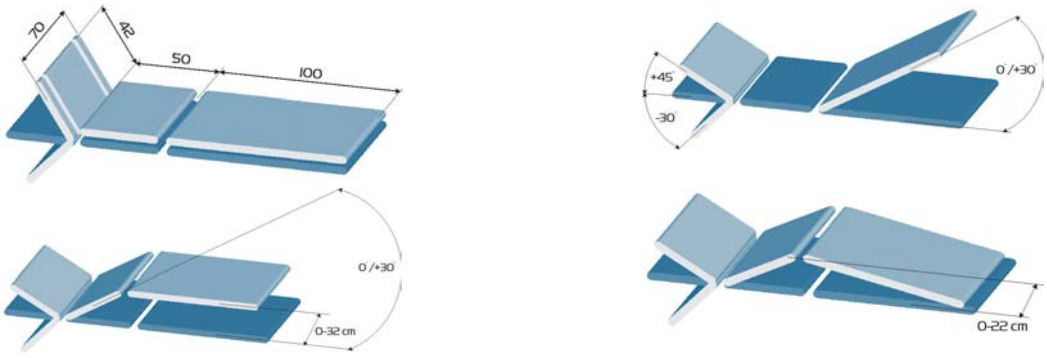


- 2-section couch. It enables easy manipulation of the patient and facilitates the therapist's work. The extended model of two-section couch with adjustable backrest (0°/+20°) is suitable for traction treatment.

- 3-section couch has a mechanically or electrically adjustable mid-section. The flex positioning is optimal for low back treatment . The extended model with negative adjustment is suitable for Trendelenburg position and hand traction.

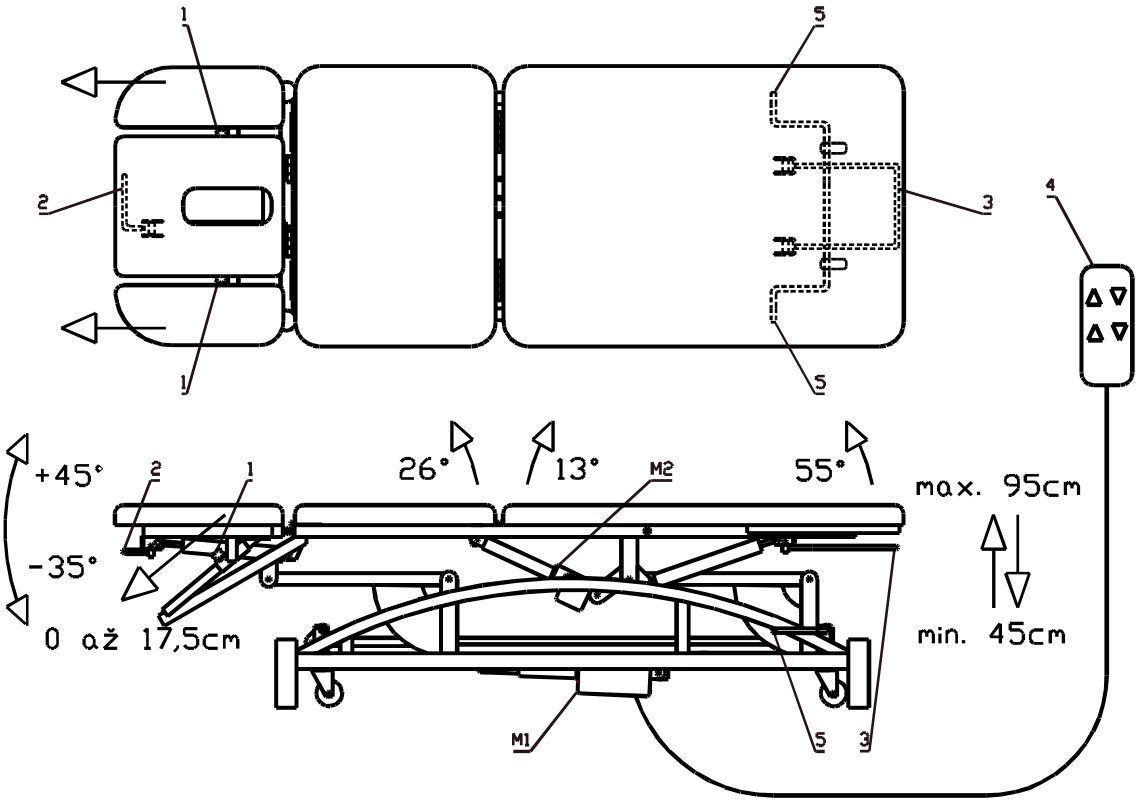


- 5-section couch is an extended configuration of the three-section couch. The adjustable arm rests ensure the patient's relaxation in abdominal position.



- 3-section couch specially designed for lumbar and cervical traction. It can also be used for other examination and therapy applications. The movable part of the couch makes the therapy friction-free, giving the patients maximum muscular relaxation, eliminating their unpleasant feelings, and facilitating the therapy itself. Couch is a 3-section with electrically adjustable height and pneumatically adjustable head section. For technical parameters of the BTL-16 Traction unit, please refer to BTL-16 Traction unit user manual.

1.2 OUTWARD APPEARANCE OF THE BTL-1300



Therapy table BTL-1300 consists of three interconnected functional units and control units. The first one are electric motors with hand or foot adjustment switches, the second one is metal frame that enables transmission of valve motion onto the upper table and the third is the table area itself which consists of particle board and upholstery.

1.3 CONTROL UNITS

1. hand switch (4) - with the help of indicated arrows adjust the height of the table as well as of the middle part above the frame
2. foot switch - pressing the pedals on one side closer to the pad to adjust the height of the table
3. pressing the pedal (5) lifts the table off the wheels
4. once the safety wheels (1) are released set the arm rests into desired position and then secure the knobs
5. to adjust the head rest upwards: press the lever (2) towards the head rest and release it when desired angle is reached. To adjust the head rest downwards: press the level towards the head rest and push the head rest in downward position. Release the level when the desired angle is reached.
6. adjusting the foot part is identical to that of the head rest. Use the lever (3).

Note: Number and types of controls may vary and are dependent on the type of table ordered.

1.4 CONNECTION TO THE MAINS

1. Connect the higher motor (M2) that secures lifting of the middle part and the lower motor (M1) that operates the whole table.
2. Connect the control panel to (M1).
3. Connect the mains cable from (M1) to a 230V plug.
4. Using the control panel check the table adjustment.

1.5 SAFE USE INSTRUCTIONS

- When adjusting the head or foot rests downwards, it is necessary to hold these parts before releasing the safety levers
- When manipulating the table on the wheels, move it only on an even surface! Otherwise it is necessary to lift the table.
- The table cannot be adjusted to any height when loaded with more than 170 kg. Do not overload the table.

1.6 WARNING

- When lifting up the table, the upper desk also moves horizontally.
- When you wish to have the table at a place with uneven floor, eliminate the unevenness with a height adjustable screws in the frame of the table.
- Pedals that lift the table onto the wheels are placed on both sides of the table at the foot end.

1.7 CLEANING AND MAINTENANCE

Wash the upholstery with a detergent. Disinfect using for example a 10% Persteril solution. Do not use acetone-based substances.
Revolving bearings of the metal frame are equipped with plastic and brass cases. We recommend to grease the brass cases.

2 TECHNICAL SPECIFICATIONS

	BTL-1300 2-section	BTL-1300 3-section	BTL-1300 5-section	BTL-1300 Bobath couch	BTL-1300 Trac
Length (cm)	195	195	195	195	210
Standard width (cm)	70	70	70	90	70
Reduced width: 60cm	o	o	o	-	-
Extended width: 80cm	o	o	o	-	-
Conical narrowing of the foot section	o	o	o	-	-
Height adjustment: 42-95cm	x	x	x	x	x
Mid-section elevation: 0-22cm	-	x	x	-	-
Horizontally movable foot section: 15 cm	-	-	-	-	x
Head section adjustment: +45°/-30°	x	x	x	-	x
Foot section adjustment: 0°/+30°	-	o*	o*	-	-
Mid-section adjustment together with Foot section adjustment: 0°/+20°	-	o*	o*	-	-
Backrest adjustment: 0°/+40°	-	-	-	o	-
Weight: 90-110kg (according to model)	x	x	x	x	x
Load capacity: 170kg	x	x	x	x	x
Mains supply: 230V/50Hz	x	x	x	x	x

x – standard, o – optional, * available only in configurations with electrical adjustment of the mid-section

2.1 APLICABLE STANDARDS

No.	Name	EN, ISO
1	Medical electrical equipment Part 1: General requirements for safety	EN 60601-1
2	Amendments to EN 60601-1	A2
3	Medical electrical equipment Part 1: General requirements for safety 2.Collateral Standard: Electromagnetic compatibility. Requirements and tests.	EN 60601-1-2
4	Medical devices – Risk Analysis	EN 1441
5	Biological evaluation of medical devices – Part 1: Evaluation and testing	EN ISO 10993-1
6	Medical electrical equipment Part 2: Special requirements for safety electrical couches for hospital use	EN 60601-2-38

2.2 CLASSIFICATION

Class according to NV 180 (93/42/EEC):	I
Type applied part	B
Class according EN 60601-1	II

2.3 IDENTIFICATION OF THE EQUIPMENT

1.	Type of the product	BTL-1300
2.	Name of the product	therapy couch
3.	Region of use	medical device

2.4 OPERATING CONDITIONS

1.	ambient temperature	-10°C to +55°C
2.	relative humidity	30% to 75%
3.	atmospheric pressure	700 to 1060hPa
4.	position	vertical – on legs
5.	type of operation	continuous

2.5 TRANSPORT AND STORAGE CONDITIONS

1.	ambient temperature	-10°C to +55°C
2.	relative humidity	25% to 85%
3.	atmospheric pressure	650 to 1100hPa
4.	position	vertical – on legs
5.	time max.	1 year

2.6 POWER SUPPLY

1.	Voltage	AC 230 V
2.	Frequency	50 Hz

2.7 VOLTAGE INSULATION

1. Mains-patient 4 kV

3 DERIVED ALTERNATIVES

1. in 5 sections (head part with arm rests, foot part and middle section), without the possibility to adjust the foot part, with mechanic middle part adjustment.
2. in 3 sections (head rest without arm rests, foot part and a middle part), without foot part adjustment, with mechanic middle part adjustment.
3. in 4 sections (head part with arm rests, one piece foot and middle section), without foot and middle part adjustment.
4. in 2 sections (head part without arm rests, one piece foot and middle section), without foot part adjustment.

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